

CLAIMS:

1. A polarizing mirror (1) for viewing purposes having a first plane (2) reflecting light of a first kind of polarization (20') to a viewing side, the mirror passing light of a second kind of polarization (20'') and being provided with a display device (5) at its non-viewing side, which display device during use provides light of the second kind of polarization, the polarizing mirror having at the non viewing side at least partly at least one absorbing layer (30).
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2. A polarizing mirror as claimed in claim 1 the absorbing layer comprising an absorbing polarizing layer.
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3. A polarizing mirror as claimed in claim 2 the absorbing polarizing layer absorbing light of the second kind of polarization.
4. A polarizing mirror as claimed in claim 2 or 3, having a structured polarizing layer.
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5. A polarizing mirror as claimed in claim 2 or 3, the absorbing polarizing layer and the polarizing mirror at its non-viewing side both comprising a retarder layer (35, 36) , which rotates the polarization over substantially 45 degrees.
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6. A polarizing mirror as claimed in claim 5, the retarder layer comprising a $\frac{1}{4} \lambda$ foil (35, 36) .
7. A polarizing mirror as claimed in claim 5, the absorbing polarizing layer comprising sub-layers absorbing light of the first kind of polarization and absorbing light of the second kind of polarization.
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8. A polarizing mirror as claimed in claim 7, having locally a display device (5) at its non-viewing side the absorbing polarizer being provided at least at the non-display area.

9. A polarizing mirror as claimed in claim 1 or 2, having at least one retardation layer (31,32) between the display device and the polarizing mirror which rotates the polarization over substantially 90 degrees.
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10. A polarizing mirror as claimed in claim 9, the retardation layer comprising at least one $\frac{1}{2} \lambda$ foil.
11. A polarizing mirror as claimed in claim 1 or 2, in which the polarizing mirror
- 10 has a housing (12), the housing at least at the back of the display device at its inner side being provided with the absorbing polarizer.
12. A polarizing mirror as claimed in claim 12, the absorbing polarizing layer and the polarizing mirror at its non-viewing side comprising a retarder layer, which rotates the
- 15 polarization over substantially 45 degrees.
13. A polarizing mirror as claimed in claim 12, the absorbing polarizing layer absorbing polarizing layer comprising sub-layers absorbing light of the first kind of polarization and absorbing light of the second kind of polarization.
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14. A polarizing mirror as claimed in claim 13, the display device having at the non-viewing side of the polarizing mirror an absorbing polarizer.